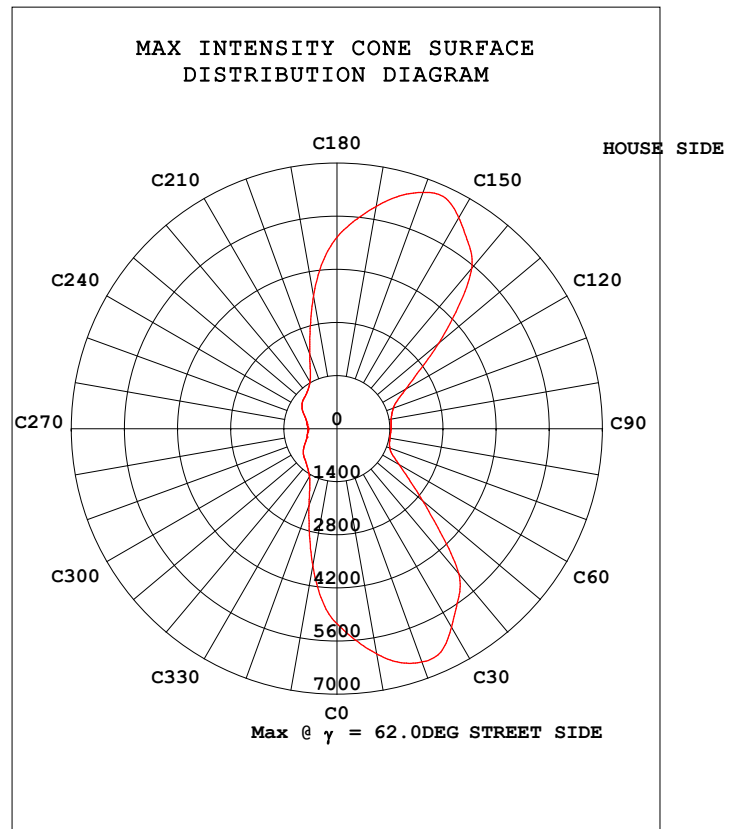
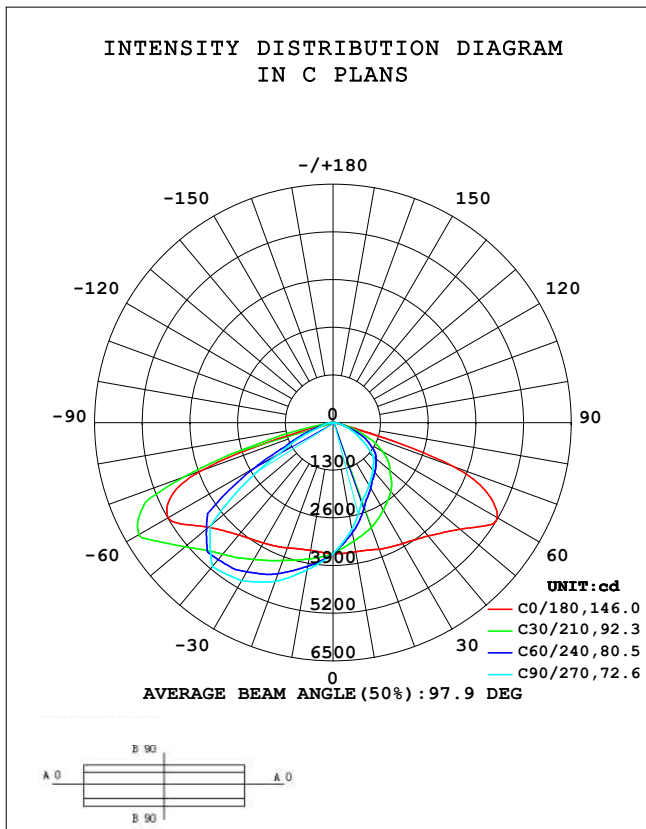


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.4219A P:91.27W PF:0.9795 Lamp Flux:14196.4x1 lm		
NAME: OPCITYIII-90W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 155.54 lm/W			
MODEL	LED	Imax (cd)	6725	η street_up (%)	0.0
NOMINAL POWER (W)	90	LOR (%)	100.0	η street_down (%)	50.5
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	14196	η house_up (%)	0.0
NOMINAL FLUX (lm)	14196.4	MAXIMUM @ (C, γ)	155,62.0	η house_down (%)	49.5
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	18.098



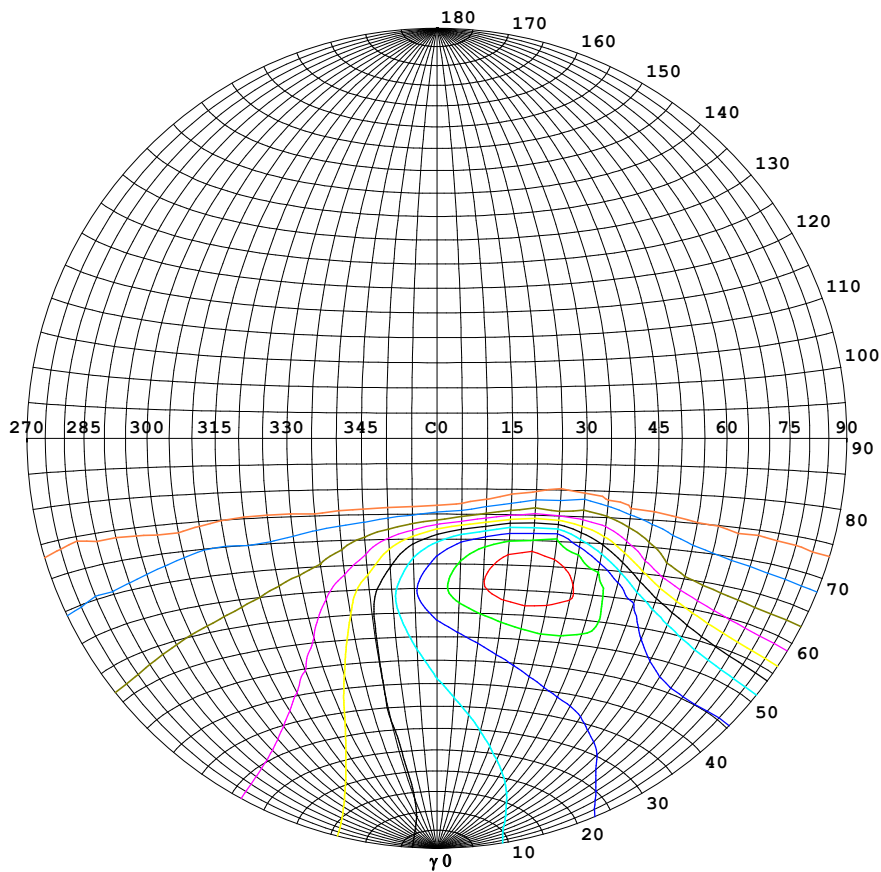
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Note: SLI:Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.8V I:0.4219A P:91.27W PF:0.9795 Lamp Flux:14196.4x1 lm		
NAME: OPCITYIII-90W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



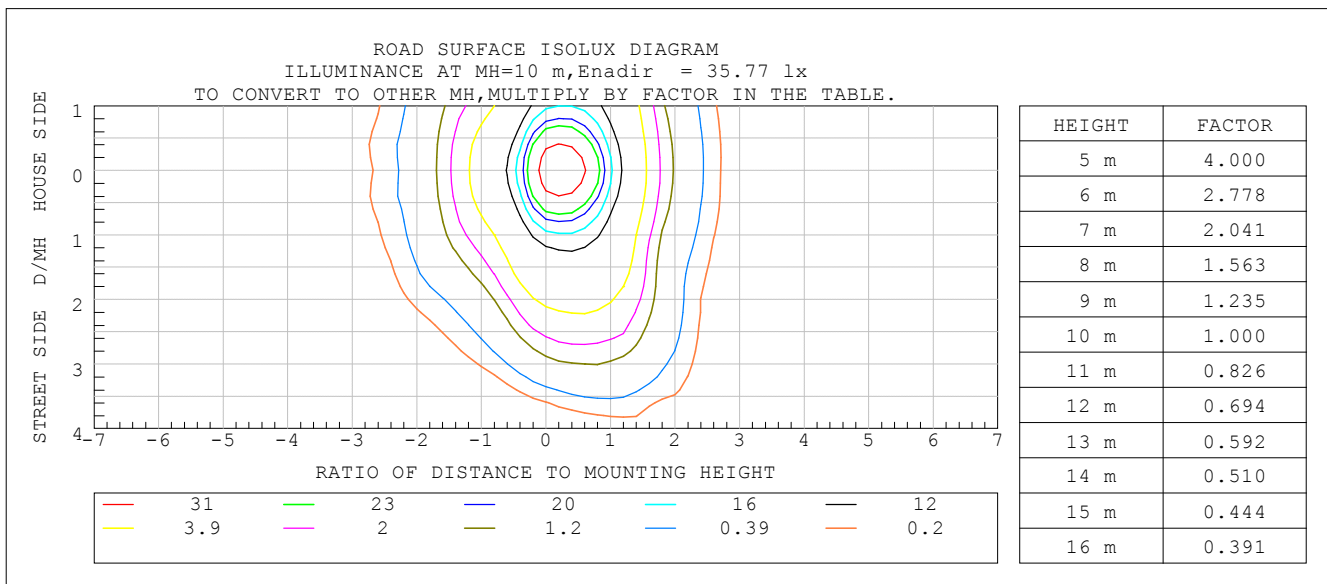
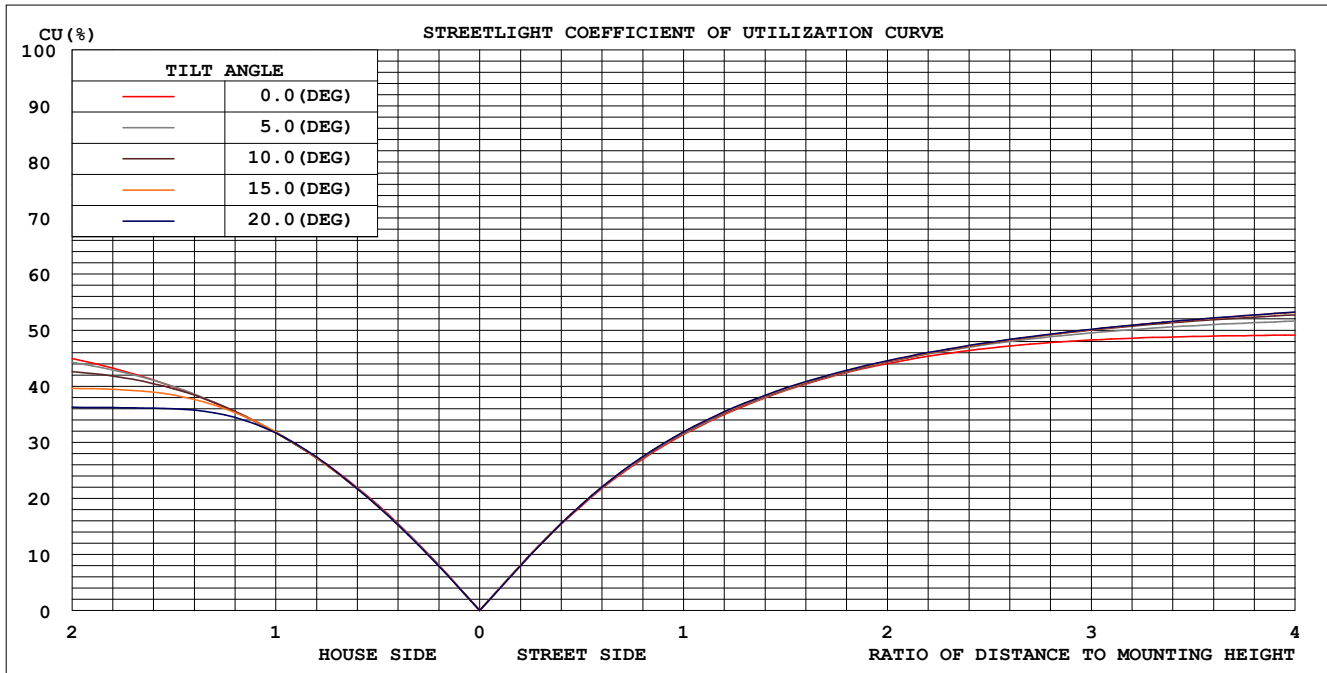
Classification:

IES:Type IV - Short
CIE:Broad - Intermediate
IES:Cut-off
CIE:Semi-cut-off
Max.At80:33.91cd/klm
Max.At90:3.885cd/klm
Max.80-90:33.91cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6725
90%	6053
80%	5380
70%	4708
60%	4035
50%	3363
40%	2690
30%	2018
20%	1345
10%	673
5%	336

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

gamma Range: 0 - 90DEG
gamma Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.8V I:0.4219A P:91.27W PF:0.9795 Lamp Flux:14196.4x1 lm		
NAME: OPCITYIII-90W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

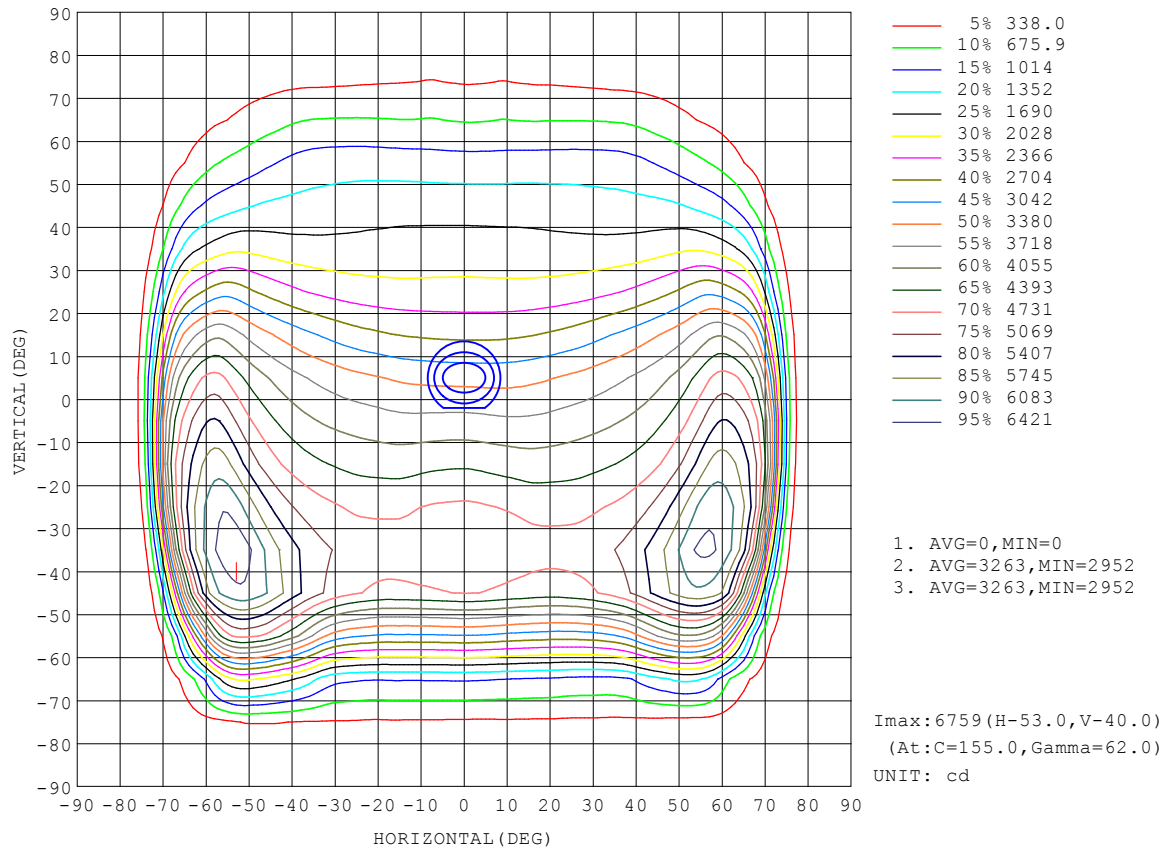
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
5	3551	3735	3825	3754	3577	3360	3266	3344	0- 5	85.10	85.10	0.60,0.60
10	3538	3881	4074	3920	3577	3155	2955	3130	5- 10	253.0	338.1	2.38,2.38
15	3567	4030	4342	4076	3602	2958	2625	2939	10- 15	417.5	755.6	5.32,5.32
20	3636	4189	4611	4232	3673	2722	2296	2717	15- 20	578.2	1334	9.4,9.4
25	3715	4360	4794	4403	3737	2479	2132	2486	20- 25	735.3	2069	14.6,14.6
30	3793	4526	4978	4565	3807	2286	1969	2300	25- 30	889.3	2958	20.8,20.8
35	3882	4676	5052	4715	3902	2104	1832	2117	30- 35	1038	3997	28.2,28.2
40	4002	4824	5127	4881	4038	1898	1695	1909	35- 40	1180	5177	36.5,36.5
45	4180	4957	4743	5042	4244	1777	1569	1778	40- 45	1309	6487	45.7,45.7
50	4440	5121	4359	5248	4525	1620	1443	1618	45- 50	1416	7903	55.7,55.7
55	4853	4902	3019	5187	4939	1467	1146	1464	50- 55	1489	9392	66.2,66.2
60	5192	4510	1679	5010	5170	1289	848.6	1284	55- 60	1475	10867	76.5,76.5
65	4908	2836	1049	3727	4691	1053	645.5	1024	60- 65	1340	12208	86,86
70	3801	1506	419.4	2316	3473	725.4	442.5	683.2	65- 70	1086	13293	93.6,93.6
75	804.6	496.4	291.2	730.6	637.4	368.4	269.0	328.7	70- 75	637.1	13930	98.1,98.1
80	159.7	225.9	163.0	310.3	138.0	180.5	95.53	157.6	75- 80	195.6	14126	99.5,99.5
85	81.88	55.31	0	62.85	58.50	34.50	0	29.49	80- 85	60.66	14187	99.9,99.9
90	55.15	0	0	0	45.98	0	0	0	85- 90	9.785	14196	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

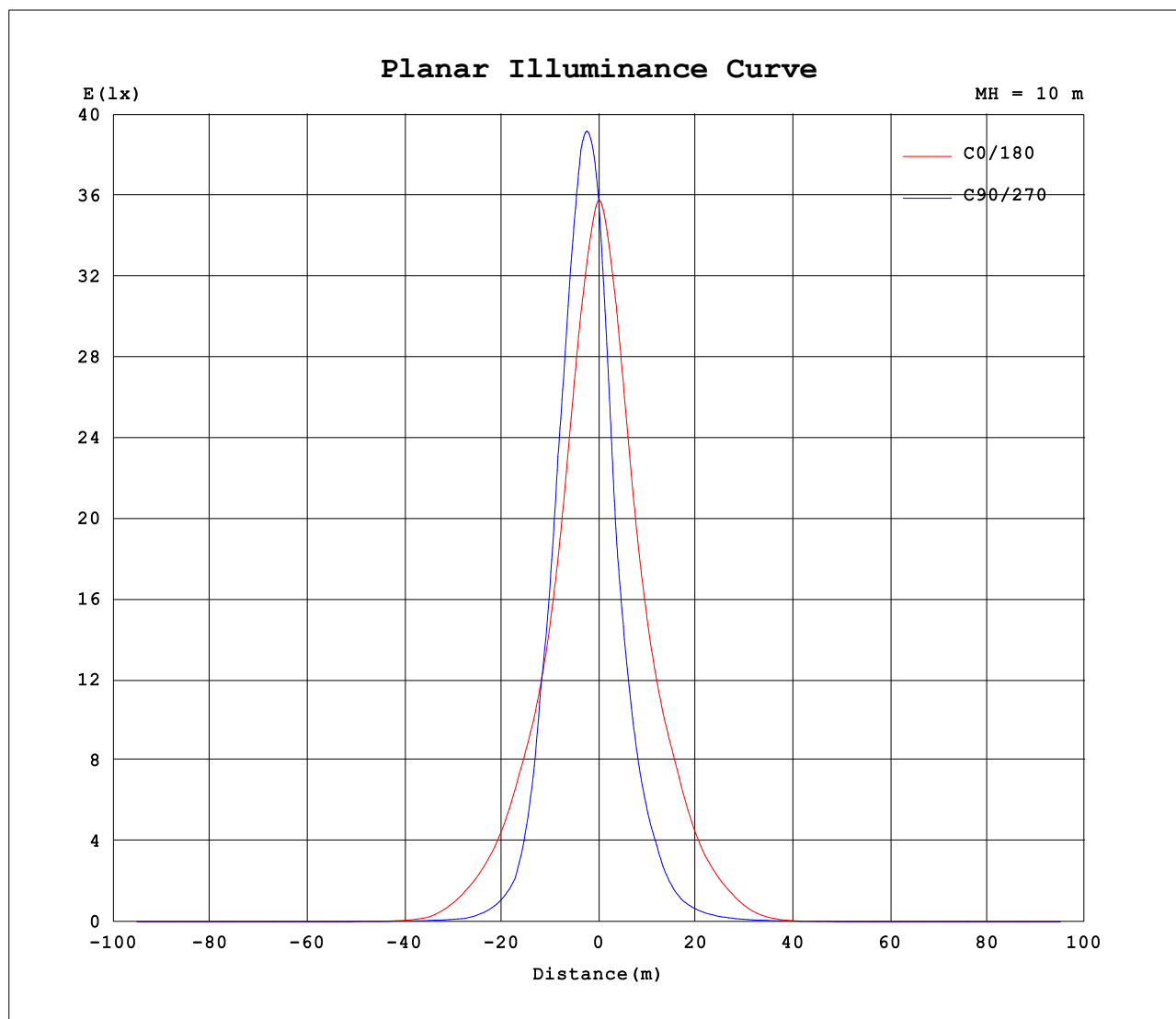
Test:U:220.8V I:0.4219A P:91.27W PF:0.9795 Lamp Flux:14196.4x1 lm		
NAME: OPCITYIII-90W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Planar Illuminance Curve



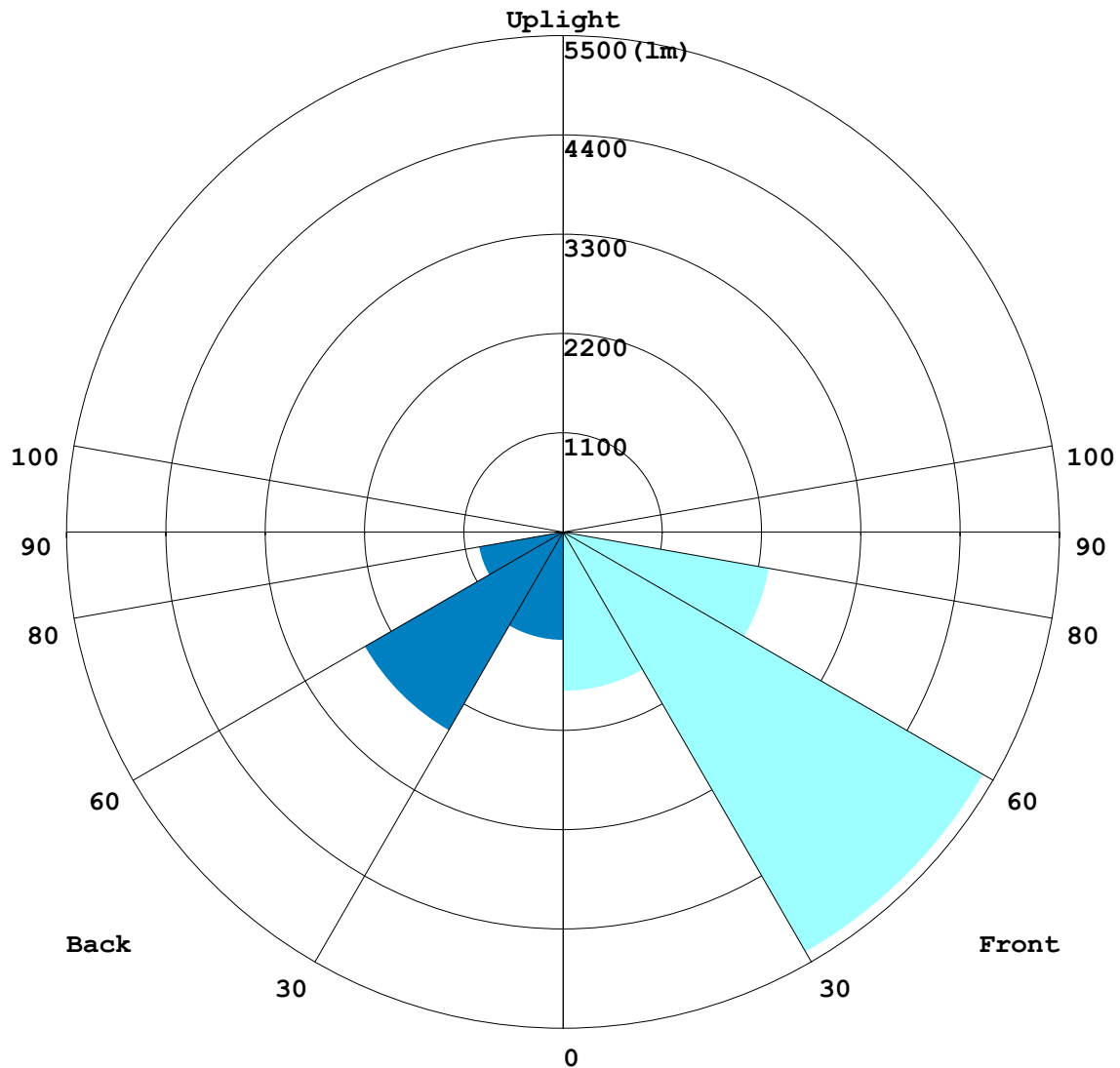
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

LCS REPORT

Test:U:220.8V I:0.4219A P:91.27W PF:0.9795 Lamp Flux:14196.4x1 lm		
NAME: OPCITYIII-90W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

BUG REPORT

Test:U:220.8V I:0.4219A P:91.27W PF:0.9795 Lamp Flux:14196.4x1 lm		
NAME: OPCITYIII-90W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1761.4	12.4
FM - Front-Medium(30-60)	5373.4	37.9
FH - Front-High(60-80)	2315.8	16.3
FVH - Front-Very High(80-90)	44.912	0.3
Total Forward Light	9495.5	66.9

BL - Back-Low(0-30)	1197.1	8.4
BM - Back-Medium(30-60)	2535.4	17.9
BH - Back-High(60-80)	942.9	6.6
BVH - Back-Very High(80-90)	25.529	0.2
Total Back Light	4700.9	33.1

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G2
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4700.9	0	4700.9
Street Side	9495.5	0	9495.5

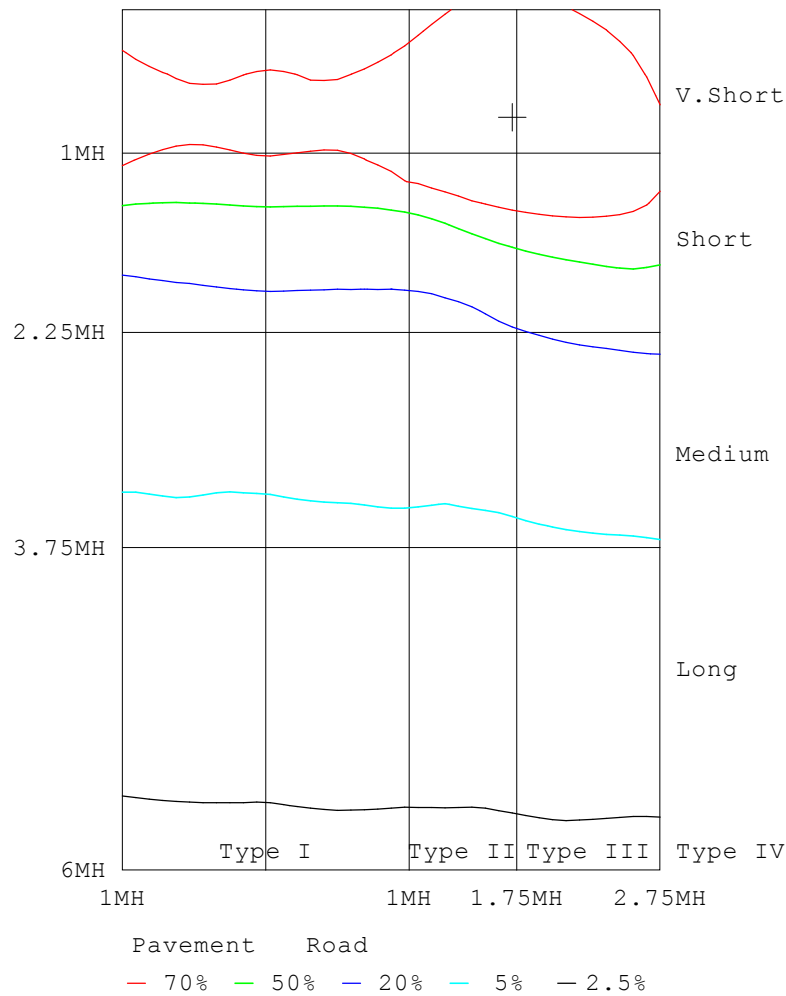
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.8V I:0.4219A P:91.27W PF:0.9795 Lamp Flux:14196.4x1 lm		
NAME: OPCITYIII-90W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```